2013 Consumer Confidence Report

Water System Name:	Hamilton	Branch Mutual W	ater Co.	Report Date:	2/12/15	
We test the drinking wat the results of our monito						
Este informe contiene i entienda bien.	nformación	muy importante so	bre su agua po	table. Trad	úzcalo ó hable	con alguien que lo
Type of water source(s)	in use: W	ells				
Name & general location Location: 3264 Cedar L			ch, CA			
Drinking Water Source	Assessment i	nformation:		A MARKAN THE ROOM AND THE PARTY AND THE PART		
Time and place of regula	arly schedule	d board meetings for	public participa		al Meeting held or 4 th Thursda	at 7PM either on y in July
Customers are notified	d via mail 30	days in advance. Me	eetings are cond	lucted at the	Hamilton Branch	h Firehall.
For more information, co	ontact: Jan	ice Jolicoeur		Phone:	(530) 596-42:	50

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Variances and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (µg/L)

ppt: parts per trillion or nanograms per liter (ng/L)

ppq: parts per quadrillion or picogram per liter (pg/L)

pCi/L: picocuries per liter (a measure of radiation)

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring

2013 SWS CCR Form Revised Jan 2014

minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are by-products of industrial
 processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural
 application, and septic systems.
- Radioactive contaminants, that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the USEPA and the California Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, 7, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

TABLE 1 –	SAMPLING	RESULT	S SHO	WING THE D	ETECTION	OF COLIF	FORM BACTERIA	
Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of m	TO ALUMNO HAR	М	CL	MCLG	Typical Source of Bacteria	
Total Coliform Bacteria	(In a mo.)	()	More than 1 month with a		0	Naturally present in the environment	
Fecal Coliform or E. coli	(In the year)	()	A routine sar repeat sampl total coliforn sample also coliform or h	e detect and either detects fecal	0	Human and animal fecal waste	
TABLE 2	- SAMPLIN	G RESUL	TS SHO	OWING THE	DETECTION	ON OF LEAD	D AND COPPER	
Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of samples collected	90 th percenti level detecte	exceeding	AL	PHG	Typical Source of Contaminant	
Lead (ppb)	9/15/2012	5	0.008 mg/L	1 ()	15		Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits	
Copper (ppm)	9/15/2012	5	5 0.059 mg/L		10002		Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	
	TABLE 3	- SAMPLI	ING RE	SULTS FOR	SODIUM A	ND HARDI	NESS	
Chemical or Constituent (and reporting units)	Sample Date	Level Detecte	d	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant	
Sodium (ppm)	9/09/2009	4.0 mg/		1	none	none	Salt present in the water and is generally naturally occurring	
Hardness (ppm)	9/09/2009	52.1 mg/		2.5	none	none	Sum of polyvalent cations present in the water, generally magnesium	

2013 SWS CCR Form Revised Jan 2014

						and calcium, and are usually naturally occurring
*Any violation of an MCL or A	L is asterisked	d. Additional infor	mation regarding th	e violation i	s provided late	r in this report.
TABLE 4 – DET	ECTION O	F CONTAMIN	ANTS WITH A <u>F</u>	PRIMARY	DRINKING	WATER STANDARD
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
See attached				none	none	
TABLE 5 – DETE	CTION OF	CONTAMINA	NTS WITH A <u>SE</u>	CONDAR	Y DRINKIN	G WATER STANDARD
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
See attached				none	None	
		,				
	TABLE (6 – DETECTION	N OF UNREGUL	ATED CO	NTAMINA	VTS
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notifica	tion Level	Health Effects Language
		None				

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead-Specific Language for Community Water Systems: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [Hamilton Branch Mutual Water Company] is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

2013 SWS CCR Form Revised Jan 2014

^{*}Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effect Language
None				

For Water Systems Providing Ground Water as a Source of Drinking Water

FECAL	TABLE 7 – SAMPLING RESULTS SHOWING FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES														
Microbiological Contaminants complete if fecal-indicator detected) Total No. of Detections Sample Dates MCL [MRDL] [MRDL] Typical Source of Contaminant Typical Source of Contaminant															
E. coli	(In the year)	Every month	0	(0)	Human and animal fecal waste										
Enterococci	(In the year)		TT	n/a	Human and animal fecal waste										
Coliphage	(In the year)	- with reach motion and the second	TT	n/a	Human and animal fecal waste										

Summary Information for Fecal Indicator-Positive Ground Water Source Samples, Uncorrected Significant Deficiencies, or Ground Water TT

SPECIAL	NOTICE OF FECAL IND	ICATOR-POSITIVE GR	OUND WATER SOURCE	E SAMPLE
	SPECIAL NOTICE FOR	UNCORRECTED SIGNI	FICANT DEFICIENCIES	}

	VIOLA	TION OF GROUND WAT	TER TT	
TT Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language
		8		

For Systems Providing Surface Water as a Source of Drinking Water

TABLE 8 - SAMPLING RESULTS SHOW	WING TREATMENT OF SURFACE WATER SOURCES
Treatment Technique ^(a) (Type of approved filtration technology used)	
Turbidity Performance Standards (b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to NTU in 95% of measurements in a month. 2 – Not exceed NTU for more than eight consecutive hours. 3 – Not exceed NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	
Highest single turbidity measurement during the year	
Number of violations of any surface water treatment requirements	
(a) A required process intended to reduce the level of a contami	inant in drinking water.

Summary Information for Violation of a Surface Water TT

VIOLATION OF A SURFACE WATER TT TT Violation												
TT Violation	TT Violation Explanation Duration Actions Taken to Correct the Violation											
Sumn	nary Information fo	r Operating Und	er a Variance or Exempt	tion								
Sumi	nary Information fo	r Operating Und	er a Variance or Exempt	tion								
Sumi	nary Information fo	or Operating Und	er a Variance or Exempt	tion								
Sumi	nary Information fo	or Operating Und	er a Variance or Exempt	tion								
Sumi	nary Information fo	or Operating Und	er a Variance or Exempt	tion								
Sumi	nary Information fo	or Operating Und	er a Variance or Exempt	tion								

2013 SWS CCR Form Revised Jan 2014

Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

^{*} Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided below.

Table 4 - Detection of Contaminants with a Primary Drinking Water Standard

																															System: 3200150-001
1,2-DICHLOROBENZENE	1,2,4-TRICHLOROBENZENE				IFLUOROETHANE		1,1,1-TRICHLOROETHANE	Uranium (PCI/L)	RADIUM 228 COUNTING ERROR	RADIUM 228	Radium 226	GROSS ALPHA COUNTING ERROR		NITRITE (AS N)		NITRATE (AS NO3)	THALLIUM	SELENIOM	PERCHLORATE	NICKEL	MERCURY	FLUORIDE (F) (NATURAL-SOURCE)	1	CHROMIUM (TOTAL)	CADMIUM	BERYLLIUM	BARIUM	ARSENIC	ANTIMONY	ALUMINUM	Chemical Name:
S1-Reg VOC (Primary DWS)	RA-Radiological (Primary DWS)	NI-Nitrate / Nitrite (Primary DWS)	NI-Nitrate / Nitrite (Primary DWS)	NI-Nitrate / Nitrite (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	IO-Inorganics (Primary DWS)	Regulatory Category:																	
9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013		12/26/2007	12/26/2007		9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/19/2012	9/19/2012	2/17/2010	9/19/2012	9/19/2012	9/9/2009		9/19/2012	9/19/2012	9/19/2012	9/19/2012	9/19/2012	9/19/2012	9/19/2012	Sample Date:
٨	٨	٨	٨	٨	٨	٨	٨							٨			٨	٨	٨	٨	٨	٨			٨	٨		٨	٨	٨	Modifier:
0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005		0.698	0.331		1.18	1.41	0.0001	0.2	0.7	0.0002	0.002	0.002	0.001	0.00002	0.1		0.002	0.0002	0.001	0.0018	0.002	0.001	0.01	Current Finding:
0.6	0.005	0.006	0.005	0.005	1.2	0.001	0.2		×	_		×	15	_	10	45	0.002	0.05	0.006	0.1	0.002	2		0.05	0.005	0.004	_	0.01	0.006	_	MCL:
mg/L	ma/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		oCi.	pCi.L		pCi.L	pCi.L	mg/L	mg/L	mg/L	ma/L	mg/L	mg/L	mg/L	mg/L	mg/L		mg/L	Current Reporting Unit:						
PASS			PASS			PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		PASS	MCL Test:													
2019	2019	2019	2019	2019	2019	2019	2019	Waived		2017	Waived		2022	2016	2016		2021	2021	2019	2021	2021	2018	DUE	2021	2021	2021	2021	2021	2021	2021	Next Sample Due:

																						System: 3200150-001
NI RITE (AS N)	NITRATE + NITRITE (AS N)	NITRALE (AS NO3)	XYLENES (TOTAL)	VINYL CHLORIDE	IRICHLOROFLUOROMETHANE	RICHLOROETHYLENE	IRANS-1,2-DICHLOROETHYLENE	- CLUENE	- FIXACHLOXOF HYLENE		MONOCHLOROBENZENE	METAYE-TEXT-BOTYE-ETHEX (MIBE)		CICHLOROWE HANE	CIS-1,2-DICHLOROETHYLENE	CARBON IE RACHLORIDE	BENZENE	1,4-UICHLOROBENZENE	1,3-DICHLOROPROPENE (TOTAL)	1,2-DICHLOROTROTRANE	1,2-DICHLOROETHANE	Chemical Name:
NI-Nitrate / Nitrite (Primary DWS)	NI-Nitrate / Nitrite (Primary DWS)	NI-Nitrate / Nitrite (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	S1-Reg VOC (Primary DWS)	Regulatory Category:				
9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	Sample Date:
٨			٨	۸	۸	٨	٨	٨	۸	٨	٨	٨	٨	۸	٨	۸	۸	٨	۸	٨	٨	Modifier:
0.0001	0.2	0.7	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	Current Finding:
	6	45	1.75	0.0005	0.15	0.005	0.01	0.15	0.005	0.1	0.07	0.013	0.3	0.005	0.006	0.0005	0.001	0.005	0.0005	0.005	0.0005	MCL:
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Current Reporting Unit:
PASS	PASS	PASS	PASS	ACT EX	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	ACT EX	PASS	PASS	ACT EX	PASS	ACT EX	MCL Test:
2016	2016		2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	Next Sample Due:

Table 5 - Detection of Contaminants with a Secondary Drinking Water Standard

System: 3200150-001

							100000)ystem:
FUAMING AGENTS (MBAS)		COLOX	CHICKICH	CARBONA E ALKALINI Y	CALCION	BICARBONALE ALKALINITY		Chemical Name:
GP-General Physical (Sec DWS)		Regulatory Category:						
9/25/2013 <	9/9/2009	9/19/2012	9/9/2009	9/9/2009	9/9/2009	9/9/2009		Sample Date:
٨		٨	٨	٨			Mod	lifier:
0.1	0.33	Sī		10		70	Finding:	Current
0.5	10	15	600	0	0	0		<u> </u>
mg/L	mg/L	Units	mg/L	mg/L	mg/L	mg/L	Unit:	Current
PASS	PASS	PASS	PASS	No MCL	No MCL	No MCL	1000	MCI Test
2022	2018	2021	2018	2018	2018	2018	Due:	Next

HAMILTON BRANCH MUTUAL WATER CO.

															System: 3200150-001
ZINC	LUKBIDITY, LABORATORY	I O I AL DISSOLVED SOLIDS	OCLIAID OCLIAID	STECIFIC CONDUCTANCE	SOUTH STATES	מוד / רות	TH, LABORALORY	CCCX - HXEVHOLD @ 60 C	WANGANEGE (C) D (C) C)	MANONICAL		IDON	HYDROXIDE ALKALINITY	HARDNESS (TOTAL) AS CACO3	Chemical Name:
GP-General Physical (Sec DWS)	GF-General Physical (Sec DWS)	OF Centeral Physical (Sec DVVS)	GP Conoral Physical (Goo DWG)	GP-General Physical (Sec DWS)	Regulatory Category:										
9/9/2009	9/19/2012	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/19/2012	9/9/2009	9/19/2012	9/9/2009	9/9/2009	9/9/2009	8007/6/6	999799	0/0/2000	Sample Date:
	٨		٨			٨		٨	٨		٨	^		1	Modifier:
0.1	0.2	70	2	119	4	0.001	7.5		0.01	6	0.05	2	32.1	70.74	Current Finding:
Sī	5	1500	600	2200	0	0.1	0	ω	0.05	0	0.3	C			MCL:
mg/L	Units	mg/L	mg/L	m ohms	mg/L	mg/L	0	Units	mg/L	mg/L	mg/L	mg/L	119/L	m = //	Current Reporting Unit:
PASS	PASS	PASS	PASS	PASS	No MCL	PASS	No MCL	PASS	PASS	No MCL	PASS	No MCL	NO MICE	2000	MCL Test:
2018	2021	2018	2018	2018	2018	2021	2018	2021	2018	2018	2018	2018	81.07	200	Next Sample Due: